Amendments to the claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) A compound of formula (I):

$$\begin{array}{c|c}
A \\
Z^1 \\
Z^2
\end{array}$$

$$\begin{array}{c|c}
R^1 \\
\end{array}$$

(I)

wherein

A is a fused 5-membered heteroaryl ring containing one or two heteroatoms independently selected from oxygen and nitrogen which heteroaryl ring is optionally substituted by up to two substituents independently selected from $C_{1\text{-}6}$ alkyl, $-(CH_2)_k - C_{3\text{-}7}$ cycloalkyl, halogen, cyano, trifluoromethyl, $-(CH_2)_k OR^3$, $-(CH_2)_k CO_2 R^3$, $-(CH_2)_k NR^3 R^4$, $-(CH_2)_k CONR^3 R^4$, $-(CH_2)_k NHCOR^3$, $-(CH_2)_k SO_2 NR^3 R^4$, $-(CH_2)_k NHSO_2 R^3$, $-(CH_2)_k SO_2 (CH_2)_m R^5$, a 5- or 6-membered heterocyclyl ring containing nitrogen optionally substituted by $C_{1\text{-}2}$ alkyl; $CO_2 R^3$, and a 5-membered heteroaryl ring optionally substituted by $C_{1\text{-}2}$

A is a fused 5-membered heteroaryl ring containing one or two heteroatoms independently selected from oxygen and nitrogen which heteroaryl ring is substituted by $-BR^6$, and

the heteroaryl ring is optionally further substituted by one substituent selected from -OR 7 , halogen, trifluoromethyl, -CN, -CO $_2$ R 7 and C $_{1\text{-}6}$ alkyl optionally substituted by hydroxy;

A is a fused 5-membered heteroaryl ring containing one or two heteroatoms independently selected from oxygen and nitrogen which heteroaryl ring is substituted by $-(CH_2)_n$ heterocyclyl wherein the heterocyclyl is a 5- or 6-membered heterocyclic ring containing one or two heteroatoms independently selected from oxygen, sulfur and nitrogen optionally substituted by up to two substituents independently selected

from oxo, C_{1-6} alkyl, -(CH₂) $_p$ phenyl, -OR⁷, -(CH₂) $_p$ CO $_2$ R⁷, -NR⁷R⁸ and -CONR⁷R⁸, and

the heteroaryl ring is optionally further substituted by one substituent selected from -OR 7 , halogen, trifluoromethyl, -CN, -CO $_2$ R 7 and C $_{1-6}$ alkyl optionally substituted by hydroxy; or

A is a fused 5-membered heteroaryl ring containing one or two heteroatoms independently selected from oxygen and nitrogen which heteroaryl ring is substituted by -(CH₂)_qaryl or -(CH₂)_qheteroaryl wherein the aryl or heteroaryl is optionally substituted by one or more substituents independently selected from oxo, C₁₋₆alkyl, halogen, cyano, trifluoromethyl, -OR⁹, -(CH₂)_rCO₂R¹⁰, -NR⁹R¹⁰, - (CH₂)_rCO₂R⁹, and -S(O)_sR⁹, and

the heteroaryl ring is optionally further substituted by one substituent selected from -OR 7 , halogen, trifluoromethyl, -CN, -CO $_2$ R 7 and C $_{1\text{-}6}$ alkyl optionally substituted by hydroxy;

R¹ is selected from methyl and chloro;

 R^2 is selected from -NH-CO-R¹¹ and -CO-NH-(CH₂)_t-R¹²;

 R^3 is selected from hydrogen, $C_{1\text{-}6}$ alkyl optionally substituted by up to two OH groups, -(CH₂)_k-C₃₋₇cycloalkyl, -(CH₂)_kphenyl optionally substituted by R^{13} and/or R^{14} and -(CH₂)_kheteroaryl optionally substituted by R^{13} and/or R^{14} ,

 R^4 is selected from hydrogen and C_{1-6} alkyl, or

 R^3 and R^4 , together with the nitrogen atom to which they are bound, form a 5-or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and N-R¹⁵;

 R^5 is selected from $C_{1\text{-}6}$ alkyl optionally substituted by up to three halogen atoms, $C_{2\text{-}6}$ alkenyl optionally substituted by phenyl, $C_{3\text{-}7}$ cycloalkyl, heteroaryl optionally substituted by up to three R^{13} and/or R^{14} groups, and phenyl optionally substituted by R^{13} and/or R^{14} ;

 R^6 is a C_{3-6} alkyl group substituted by at least two substituents independently selected from -OR 16 , -NR 16 R 17 , -CO $_2$ R 16 , -CONR 16 R 17 , -NHCOR 16 and -NHSO $_2$ R 16 ;

 R^7 and R^8 are each independently selected from hydrogen and C_{1-6} alkyl;

 R^9 is selected from hydrogen, -(CH₂)_u-C₃₋₇cycloalkyl, -(CH₂)_uheterocyclyl, -(CH₂)_uaryl, and C₁₋₆alkyl optionally substituted by up to two substituents independently selected from -OR¹⁸ and -NR¹⁸R¹⁹,

 R^{10} is selected from hydrogen and $C_{1\text{-}6}$ alkyl, or

R⁹ and R¹⁰, together with the nitrogen atom to which they are bound, form a 5- or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and N-R¹⁵;

 R^{11} is selected from hydrogen, $C_{1\text{-}6}$ alkyl, -(CH₂)_t-C₃₋₇cycloalkyl, trifluoromethyl, -(CH₂)_vheteroaryl optionally substituted by R^{20} and/or R^{21} , and -(CH₂)_vphenyl optionally substituted by R^{20} and/or R^{21} ;

 R^{12} is selected from hydrogen, $C_{1\text{-}6}$ alkyl, $C_{3\text{-}7}$ cycloalkyl, -CONHR²², phenyl optionally substituted by R^{20} and/or R^{21} , and heteroaryl optionally substituted by R^{20} and/or R^{21} ;

 R^{13} and R^{14} are each independently selected from halogen, cyano, trifluoromethyl, nitro, $C_{1\text{-}6}$ alkyl, $C_{1\text{-}6}$ alkoxy, -CONR 22 R 23 , -COR 24 , -CO $_2$ R 24 , and heteroaryl, or

 R^{13} and R^{14} are linked to form a fused 5-membered heterocyclyl ring containing one heteroatom selected from oxygen, sulfur and N-R¹⁵, or a fused heteroaryl ring;

R¹⁵ is selected from hydrogen and methyl;

 R^{16}, R^{17}, R^{18} and R^{19} are each independently selected from hydrogen and $C_{1\text{-}6}$ alkyl;

 R^{20} is selected from C₁₋₆alkyl, C₁₋₆alkoxy, -(CH₂)_t-C₃₋₇cycloalkyl, -CONR²²R²³, -NHCOR²³, halogen, -CN, -(CH₂)_wNR²⁵R²⁶, trifluoromethyl, phenyl optionally substituted by one or more R²¹ groups, and heteroaryl optionally substituted by one or more R²¹ groups;

 R^{21} is selected from $C_{1\text{-}6}$ alkyl, $C_{1\text{-}6}$ alkoxy, halogen, trifluoromethyl, and -(CH_2)_wNR^{25}R^{26};

 R^{22} and R^{23} are each independently selected from hydrogen and $C_{1\text{-}6}$ alkyl, or R^{22} and R^{23} , together with the nitrogen atom to which they are bound, form a 5- or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and N-R¹⁵, wherein the ring may be substituted by up to two $C_{1\text{-}6}$ alkyl groups;

 R^{24} is C_{1-6} alkyl;

 $\rm R^{25}$ is selected from hydrogen, C $_{1\text{-}6}$ alkyl and -(CH $_2$) $_t$ -C $_3$ -7 cycloalkyl optionally substituted by C $_1$ -6 alkyl,

 R^{26} is selected from hydrogen and $C_{1\text{-}6}$ alkyl, or

 R^{25} and R^{26} , together with the nitrogen atom to which they are bound, form a 5- or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and $N-R^{15}$;

B is selected from a bond, oxygen, NH and $S(O)_X$;

X and Y are each independently selected from hydrogen, methyl and halogen;

 Z^1 is N or N=O and Z^2 is CH,

 Z^1 is CH and Z^2 is N or N=O, or

 Z^1 and Z^2 are each independently selected from N or N=O;

k, m and w are each independently selected from 0, 1, 2 and 3; n, q, r, s, t and x are each independently selected from 0, 1 and 2; and u and v are each independently selected from 0 and 1; or a pharmaceutically acceptable derivative thereof.

- 2. (original) A compound according to claim 1 wherein A is a 5-membered heteroaryl ring containing two heteroatoms independently selected from oxygen and nitrogen.
- 3. (currently amended) A compound according to claim 1 or claim 2 wherein A is substituted by up to two substituents independently selected from C_{1-4} alkyl, halogen, $-(CH_2)_kNR^3R^4$, $-(CH_2)_kNHCOR^3$, $-(CH_2)_kNHSO_2R^3$ and $-(CH_2)_kSO_2(CH_2)_mR^5$, or A is substituted by $-(CH_2)_q$ aryl wherein the aryl is optionally substituted by one or two substituents independently selected from C_{1-6} alkyl, halogen, cyano, $-OR^9$ and $-(CH_2)_rCO_2R^{10}$.
- 4. (currently amended) A compound according to claim 1 any one of the preceding claims—wherein A is substituted by $-(CH_2)_kSO_2(CH_2)_mR^5$ or $-(CH_2)_q$ aryl wherein the aryl is substituted by C_{1-6} alkyl or halogen.
- 5. (currently amended) A compound according to <u>claim 1</u> any one of the <u>preceding claims</u>-wherein R¹ is methyl.
- 6. (currently amended) A compound according to <u>claim 1</u> any one of the <u>preceding claims</u> wherein R² is -CO-NH-(CH₂)_t-R¹².
- 7. (currently amended) A compound according to <u>claim 1</u> any one of the <u>preceding claims</u> wherein X is hydrogen or fluorine.
- 8. (original) A compound according to claim 1 substantially as hereinbefore defined with reference to any one of Examples 1 to 58, or a pharmaceutically acceptable derivative thereof.
- 9. (original) A compound selected from:
- *N*-cyclopropyl-4-methyl-3-{1-[(1-methylethyl)sulfonyl]-1*H*-pyrazolo[3,4-*c*]pyridin-5-yl}benzamide;
- *N*-cyclopropyl-4-methyl-5-[1-(2-thienylsulfonyl)-1*H*-pyrazolo[3,4-*c*]pyridin-5-yl]benzamide;

- *N*-cyclopropyl-3-fluoro-4-methyl-5-[1-(2-thienylsulfonyl)-1*H*-pyrazolo[3,4-*c*]pyridin-5-yl]benzamide;
- *N*-cyclopropyl-3-[1-(cyclopropylsulfonyl)-1*H*-pyrazolo[3,4-*c*]pyridin-5-yl]-5-fluoro-4-methylbenzamide;
- *N*-cyclopropyl-3-fluoro-4-methyl-5-[1-(3-methylphenyl)-1*H*-pyrazolo[3,4-*c*]pyridin-5-yl]benzamide;
- *N*-cyclopropyl-4-methyl-5-(1-phenyl-1*H*-pyrazolo[3,4-*c*]pyridin-5-yl)benzamide;
- *N*-cyclopropyl-3-[1-(2-fluorophenyl)-1*H*-pyrazolo[3,4-*c*]pyridin-5-yl]-4-methylbenzamide;
- *N*-cyclopropyl-3-fluoro-5-[3-(4-fluorophenyl)-1*H*-pyrazolo[3,4-*b*]pyridin-6-yl]-4-methylbenzamide;
- 3-fluoro-5-[3-(4-fluorophenyl)-1*H*-pyrazolo[3,4-*b*]pyridin-6-yl]-4-methyl-*N*-(1-methyl-1*H*-pyrazol-5-yl)benzamide;
- 3-fluoro-5-[3-(4-fluorophenyl)-1*H*-pyrazolo[4,3-*c*]pyridin-6-yl]-4-methyl-*N*-(1-methyl-1*H*-pyrazol-5-yl)benzamide;
- 3-[3-(acetylamino)-1*H*-pyrazolo[3,4-*b*]pyridin-6-yl]-*N*-cyclopropyl-4-methylbenzamide;
- *N*-cyclopropyl-4-methyl-3-{3-[(2-methylpropanoyl)amino]-1*H*-pyrazolo[3,4-*b*]pyridin-6-yl}benzamide;
- *N*-cyclopropyl-4-methyl-3-[3-(propanoylamino)-1*H*-pyrazolo[3,4-*b*]pyridin-6-yl]benzamide; and
- N-(6-{5-[(cyclopropylamino)carbonyl]-2-methylphenyl}-1H-pyrazolo[3,4-b]pyridin-3-yl)-2-thiophenecarboxamide;
- or a pharmaceutically acceptable derivative thereof.
- 10. (currently amended) A pharmaceutical composition comprising at least one compound as claimed in <u>claim 1</u> any one of claims 1 to 9, or a pharmaceutically acceptable derivative thereof, in association with one or more pharmaceutically acceptable excipients, diluents and/or carriers.

11. (cancelled)

12. (currently amended) A compound as claimed in <u>claim 1</u> any one of claims 1 to 9, or a pharmaceutically acceptable derivative thereof, for use in the treatment or prophylaxis of a condition or disease state mediated by p38 kinase activity or mediated by cytokines produced by the activity of p38 kinase.

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13.(currently amended) A method for treating a condition or disease state mediated by p38 kinase activity or mediated by cytokines produced by the activity of

p38 kinase comprising administering to a patient in need thereof a compound as claimed in <u>claim 1</u> any one of claims 1 to 9, or a pharmaceutically acceptable derivative thereof.

14. (cancelled)

15.(currently amended) A process for preparing a compound of formula (I) as claimed in <u>claim 1</u> any one of claims 1 to 9, or a pharmaceutically acceptable derivative thereof, which comprises

(a) reacting a compound of formula (II)

$$Z^1$$
 Z^2
 R^1
 X
 R^2

(II)

in which R^1 , R^2 , X, Y, Z^1 and Z^2 are as defined in claim 1 and A^1 is an unsubstituted fused 5-membered heteroaryl ring containing one or two heteroatoms independently selected from oxygen and nitrogen with a halide derivative, in the presence of a base;

(b) when A is a fused pyrazolyl, reacting a compound of formula (XI)

(XI)

in which R^1 , R^2 , X, Y, Z^1 and Z^2 are as hereinbefore defined and Hal^3 is halogen, in particular chlorine, with a hydrazine derivative;

(c) when A is a fused pyrazolyl substituted by aryl, reacting a compound of formula (XII)

(XII)

in which R^1 , R^2 , X, Y, Z^1 and Z^2 are as hereinbefore defined and Hal^4 is halogen, in particular chlorine, with a hydrazine derivative; or

- (d) final stage modification of one compound of formula (I) as defined in claim 1 to give another compound of formula (I) as defined in claim 1.
- 16. (new) A compound according to claim 2 wherein A is substituted by up to two substituents independently selected from C_{1-4} alkyl, halogen, - $(CH_2)_kNR^3R^4$, - $(CH_2)_kNHCOR^3$, - $(CH_2)_kNHSO_2R^3$ and - $(CH_2)_kSO_2(CH_2)_mR^5$, or A is substituted by - $(CH_2)_q$ aryl wherein the aryl is optionally substituted by one or two

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substituents independently selected from $C_{1\text{-}6}$ alkyl, halogen, cyano, -OR 9 and -(CH $_2$) $_r$ CO $_2$ R 10 .

- 17. (new) A compound according to claim 16 wherein A is substituted by $-(CH_2)_kSO_2(CH_2)_mR^5$ or $-(CH_2)_q$ aryl wherein the aryl is substituted by C_{1-6} alkyl or halogen.
- 18. (new) A compound according to claim 16 wherein \mathbb{R}^1 is methyl.
- 19. (new) A compound according to claim 16 wherein R² is -CO-NH-(CH₂)_t-R¹².
- 20. (new) A compound according to claim 16 wherein X is hydrogen or fluorine.